

New Jersey Network Screening Lists, 2023

NJTPA - Pedestrian/Bicycle Intersection List (2016-2020 Crashes)

Developed by GPI for the New Jersey Department of Transportation (NJDOT)

Print Date: Friday, November 10, 2023
Delivery Date: August 10, 2023

Crash Filtering Criteria

Table with columns: Source Table, Query Logic, Source Table Field, Readable Field, Query Values, Description. Includes filters for year, county, road system, intersection, crash type, and pedestrian/bicyclist involvement.

The Network Screening List is based upon a programmatic analysis of statewide locations utilizing data supplied by third party sources. Because of limitations in the data supplied and the method used to develop the list, users should be aware that the rankings of locations and data for locations may be incorrect and/or incomplete.

The New Jersey Department of Transportation, its officers, employees or agents shall not be liable for damages or losses of any kind arising out of or in connection with the use or performance of information, including but not limited to, damages or losses caused by reliance upon the accuracy or timeliness of any such information.

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Equivalent Property Damage Only (ePDO) Score Weights

Table mapping Crash Severity (Fatal, Incapacitating Injury, Non-incapacitating Injury, Possible Injury, Property Damage Only) to KABCO Scale (K, A, B, C, O), 2022 Dollars, ePDO Value (K-A), and eC Value (K-A).

Formula for ePDO Total: ePDO Total = [K]\*[ePDO\_k]\*[A]\*[ePDO\_a]+[B]\*[ePDO\_b]+[C]\*[ePDO\_c]+[O]\*[ePDO\_o]

Formula for eC Total: eC Total = [K]\*[e\_c]+[A]\*[e\_a]+[B]\*[e\_b]+[C]\*[e\_c]+[O]\*[e\_o]

EJ Area Thresholds

Table showing EJ Area Thresholds for Minority % and Low-income % with corresponding percentage thresholds (e.g., >= 45% for Minority %).

Main data table with columns: Rank (ePDO), County Rank (ePDO), MPO, County, Municipality, SRI, Milepost, Route Name, Minor Route, Crashes by Severity (2017-2020), Weighted Score (ePDO), Weighted Score (eC), Is EJ Area?, Is Census Block Group Pop. < 1,000?, NJDOT SID - Roadway Jurisdiction of Major, EJScreen - Census Block Group Population (Lowest Value), EJScreen - Minority % (Highest Value), EJScreen - Low-income % (Highest Value). Contains thousands of rows.









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Equivalent Property Damage Only (ePDO) Score Weights table with columns: Crash Severity, KABCO Scale, 2022 Dollars, ePDO Value (K-A), eC Value (K-A).

ePDO Total = [(K)\*ePDO\_A] + [(A)\*ePDO\_B] + [(B)\*ePDO\_C] + [(C)\*ePDO\_D] + [(PDO)\*ePDO\_E]

eC Total = [(K)\*eC\_A] + [(A)\*eC\_B] + [(B)\*eC\_C] + [(C)\*eC\_D] + [(PDO)\*eC\_E]

EJ Area Thresholds table with columns: Minority %, Low-income %, and values for EJ and EJ-eligible areas.

Main data table with columns: Rank (ePDO), County Rank (ePDO), MPO, County, Municipality, SRI, Milepost, Route Name, Minor Route, Crashes by Severity (2017-2020), Weighted Score (ePDO), Weighted Score (eC), Is EJ Area?, Is Census Block Group Pop. < 1,000?, NJDOT SLD - Roadway Jurisdiction of Major, EJScreen - Census Block Group Population (Lowest Value), EJScreen - Minority % (Highest Value), EJScreen - Low-Income % (Highest Value).

